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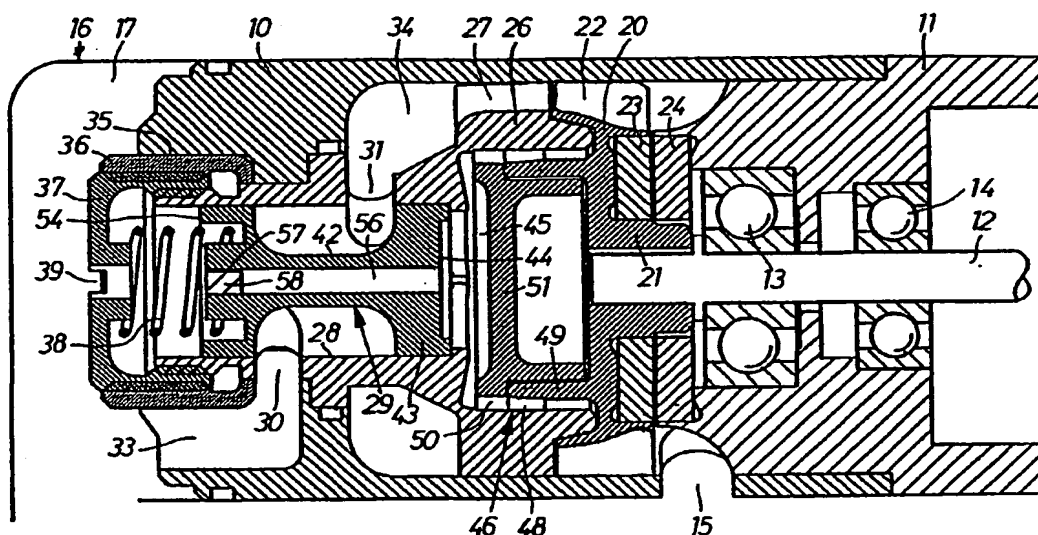
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(54) Title: PNEUMATIC HIGH SPEED MOTOR WITH PRESSURE ACTIVATED SPEED GOVERNOR



(57) Abstract: A pneumatic high speed motor comprises a stator housing (10,26), a rotor (20) journaled in the stator housing (10,26), a pressure air inlet passage (33,34), a speed governor valve (28-31) shiftable between an open position and a closed position for controlling the pressure air flow through the pressure air inlet passage (33,34), and a spring (38) arranged to continuously bias the speed governor valve (28-31) in the direction of the open position, wherein an air compressor (46) is driven by the rotor (20) and delivers a speed responsive output pressure, the speed governor valve (28-31) includes a valve element (29) with an activating surface (44) acted upon by the output pressure of the air compressor (46), thereby accomplishing a shifting of the speed governor valve (28-31) in the direction of the closed position against the bias force of the spring (38) at rotor speed levels exceeding a desired operating speed level.